OIPE			Docket Number (Optional) Application Number 14356Z 10/681,019							
INFORMATION DISCLOSURE CITATION O'Use several sheets if necessary) JUL 3 0 2004 6				Applicant(s) Mikio Oda et al.						
					Filing Date October 8	, 2003	Group Art Unit	2812	874	
& TRADEMARY	/		U.S.	PATENT	DOCUMENTS					
*EXAMINER INITIAL	REP	DOCUMENT HUMBER	DATE		HAMB	CLASS	SUBCLASS	PILING IP APPR	DATE	
									-	
					· · · · · · · · · · · · · · · · · · ·					
		·								
	L	· · · · · · · · · · · · · · · · · · ·	FOREIG	N PATE	NT DOCUMENTS					
								TRANSI	ATION	
İ	REF	DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	YES	NO	
MJZ		2000-221419	8/11/2000	Japan	n					
				ļ						
				ļ						
				-						
				<u></u>			<u></u>	<u></u>		
		OTHER DOC	UMENTS (Incl	luding A	uthor, Title, Date, I	Pertinent Pages	, Etc.)	· · · · · · · · · · · · · · · · · · ·		
,										
EXAMINE		2019			DATE CONSIDE		: - 2"			
	M	State	J		7/5/		600. Draw !	ine throug		
examines citation if no	k: Initial et in con	if citation considered	u, wnetner or t asidered. Inclu	ide copy	of this form with i	next communic	ation to app	icant.		

Form PTO-A820 U.S. DEPARTMENT OF COMMERCE (also form PTO-1449) P09A/REV04

Patent and Trademark Office*

			And the latest terminal termin	Docket Number (Optio		Application Number	1.019	
INFORMATION DISCLOSURE CITATION (Use several speets if necessary)				Applicant(s)		Oda, et al.	· -	
(Ta):	_		•	Filling Date October 8,		T	H2 287'	4
	WA.	GEALAN CIFE	U.S. PATENT DO	CUMENTS				
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	EAME	CLASS	SUBCLASS	FILING I	
WZŞ		6,174,416	1/16/01	Magenau et al.				
							-	
	-						-	
		·					-	
							<u> </u>	
						-	<u> </u>	
					<u> </u>		<u> </u>	
			FOREIGN PATENT	DOCUMENTS			·	
	REP	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLAT	HOITA
MJS	 	WO98/15676	4/16/98	PCT				- Dec
		7						
	+			.!	 			
	-	1			-			
 	—		CUMENTS (Including Auth	sor, Title, Date, Pertine	nt Pages, Etc.)		<u> </u>	
EXAMINER		M. Statel		DATE CONSIDER	7/5/c	25		
EXAMINER: I	nitial if	citation considered, whether or n	not citation is in conforman	ice with MPEP 609; Dr	raw line throug	h citation if not in cor	ıformance an	ıd not

Form PTO-A820 COMMERCE (also form PTO-1449)

P09A/REV04

Patent and Trademark Office* U.S. DEPARTMENT OF

Application Number Docket Number (Optional) 10/681,019 14356Z INFORMATION DISCLOSURD (ITATION (Use sever) sheets if necessary) Applicant(s) Mikio Oda, et al. Group Art Unit Filling Date 2812 2874 October 8, 2003 **U.S. PATENT DOCUMENTS** PILIEG DATE SUBCLASS CLASS DOCUMENT NUMBER NAME DATE RRF *BXAMINER IF UNITIAL APPROPRIATE FOREIGN PATENT DOCUMENTS TRANSLATION SUBCLASS CLASS COUNTRY DOCUMENT NUMBER DATE REF YES RO JAPAN 64-017015 1/20/89 OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) DATE CONSIDERED **EXAMINER** 7/5/05 EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

105				Docket Number (Optional) 14356	5Z	Application Numb	ber 81,019		
INFORMATION DISCLOSURE CITATION Use several sheets if necessary) MAY 2 0 2004				Applicant(s) Mikio Oda, et al.					
				Filling Date October 8,	, 2003	Group Art Unit	812 2874		
TA TRADE			U.S. PATENT	T DOCUMENTS					
*EXAMINER 'INITIAL	RBF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	PILING DATE IP APPROPRIATE		
						 			
				· ·	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				
					+				
					 				
	·								
						-			
	.	, ,	<u> </u>						
· · · · · · · · · · · · · · · · · · ·		т	FOREIGN PAT	ENT DOCUMENTS			TRANSLATION		
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES NO		
Mas	ļ	64-017015	1/20/89	JAPAN		-			
					 				
		·							
		OTHER	R DOCUMENTS (Including)	Author, Title, Date, Pertine	mt Pages, Etc.)	·			
		·							
			<u>, , , , , , , , , , , , , , , , , , , </u>						
EXAMINER	Μ,	State		DATE CONSIDERED	5/05				
EXAMINER: In	nitial if o	citation considered, whether	er or not citation is in confor ommunication to applicant.	rmance with MPEP 609; D	Fraw line through cit	lation if not in con	formance and not		

Other States				Docket Number (Optional) Application Number 14356Z 10/681				
MAY 2 1 2001 (a) se several sheets if necessary)				Applicant(s) Mikio Oda, et al.				
				Filing Date	002	Group Art Unit	812 2874	
PARADENI			U.S. PATENT I	October 8, 2	003		812 00t	
•			U.S. PATENT	T				
*EXAMINER INITIAL	rep	DOCUMENT NUMBER	DATE	HAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
M33		6,075,239	6/13/2000	Aksyuk et al.			·	
•			·		<u></u>			
			11					
	<u> </u>		FOREIGN PATE	NT DOCUMENTS	·			
	REP	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
472		2,299,832 -	9/4/00	Canada				
ROM		2,288,920	6/24/00	Canada				
MUS		2,230,664	7/15/98	Canada				
MJS		2,277,471	7/16/98	Canada				
M72		1,277,525	12/11/90	Canada	<u></u>	<u> </u>		
	,	OTHER D	OCUMENTS (Including Au	othor, Title, Date, Pertinent P	ages, Etc.)	·		
	<u> </u>							
							·	
EXAMINER	<u> </u>			DATE CONSIDERED				
	М, '			7/5/05				
EXAMINER: 1 considered. Inc	nitial if	citation considered, whether opy of this form with next com	or not citation is in conform munication to applicant.	ance with MPEP 609; Draw	line through cita	ation if not in con	formance and not	

10/8/03

						14356Z SERIAL NO. 14356Z To be assigned				
	INFO		TION DISCLOSURI se several sheets if neces			Mikio Oda, et al.	-			
		(0.	A Pakalai minara ii iiooo	\$36 <i>i })</i>		FILING	G	ROUP		
 -		<u>.</u>			o DATENT	Herewith DOCUMENTS		Olli	essigned	
"EXAMINER			DOCUMENT NUMBER	DATE	5. FAILN	NAME	CLASS	SUBCLASS	FILING DATE	1
INITIAL		- 27		1/3/95	Sentsui	at al	 		IF APPROPRIATE	
MJS	-	 	9,357		 		 	 		
W78		6,09	4,293	7/25/00	· ·	uma et al.	 			
MJS		6,28	3,601 B1	9/4/01	Hagelir	ı et al.		ļ		
RLM		5,71	7,803	2/1998	Yoneda	et al.				
W <i>7</i> S		5,79	3,914	8/1998	J. Sasal	ki .				
пэг		6,50	4,107	1/2003	Hans K	ragel				
ELM		5,92	9,500	7/1999	Yoneda	et al.				
MDS		5,49	2,607	2/1996	D. Yap	D. Yap				
d)2		5,51	8,965	5/1996	Meniga	ux et al.			ļ	
MJS		6,25	52,252	6/2001	Kunii et al.					· · · · · · · · · · · · · · · · · · ·
26M		6,41	17,107	7/2002	M. Sekimura		<u> </u>		<u> </u>	
	, 			FOR	EIGN PATE	ENT DOCUMENTS			<u>,</u>	
			DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	TRANS YES	NO NO
WJS		9-21	18304	8/19/1997	JAPAN	T				
MJS		200	0-121967	4/28/2000	JAPAN	·				
Rcm		200	0-258704	9/22/2000	JAPAN	T			<u></u>	
MJS		307	6465	6/9/2000	JAPAN	١				
W72		64-5	59303	3/7/1989	JAPAN	١				
	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)									
							,			
EXAMINE	R		M. Statel			DATE C NSIDERED 7/5/0.	5			
			ference considered, whele			nance with MPEP 609; Drav	v line through ci	tation if not in o	onformance	and not

Form PTO-A820 (also form PTO-1449)

P09C/REV03

Patent and Trademark Office * U.S. DEPARTMENT OF COMMERCE

	, ,	DALATION DIOCE ONLI	E CITATION	Docket Number (Optional) 14356Z Applicant(s)		Application Number Una	ssigned	
	INFO	RMATION DISCLOSUR (Use several sheets if neces		Mikio Oda, et al.				
		,		Filing Date Herewith		Group Art Unit Unassigned		
				U.S. PATENT DOCUMENTS				
examinér Initial	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DAT	
			-					
						<u> </u>		
				<u> </u>	-	_		
			7					
		<u> </u>			<u></u>			_
	i	T		FOREIGN PATENT DOCUMENTS			Translation	
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS		NQ
MUS		59-7916	1/17/84	Japan				>
MJS		7-159658	6/23/95	Japan		,		J
ZCM		9-8273	1/10/97	Japan				<
MJS		2687859	8/22/97	Japan				1
								-
<u></u>	L			OTHER DOCUMENTS (Including	Author, Title.	Date, Pertinent Pa	iges, Etc.)	
		Masataka Itoh, et al. '	"Use of AuSn Solo	der Bumps in Three-Dimensional Pas ponent & Technology Conference, p.		Packaging of LE	O/PD Arrays o	n Si
MSS				t	,	(month unkn	own)	
A11 C		J. Mohr, "Moems Fal	bricated by the Li	ga Technique-An Overview" p. 221-2	226	date unknown	<u>, , , , , , , , , , , , , , , , , , , </u>	
MJS					(dair anthom	17	
				· · · · · · · · · · · · · · · · · · ·				
EXAMINE	R 	M. Sahl		DATE CONSIDERED	7/5/05			
EXAMINE	R: Init	ial if citation considered, whethe	er or not citation is	in conformance with MPEP Section 609;	Draw line thro	ough citation if not	in conformance	e and

Form PTO-A820 (also form PTO-1449)

				Docket Nu	nber (Optional) 14356Z	Application Number	be assigned			
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Applicant(Applicant(s) Mikio Oda, et al.					
				Filing Date	Herewith	Group Art Unit U	nassigned			
			U.S. PA	TENT DOCUM	ENTS					
*EXAMINER INITIAL	REP	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING I			
· .										
				<u> </u>						
t										
			FOREIGN	PATENT DOC	UMENTS		· · · · · · · · · · · · · · · · · · ·			
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO NO		
MJS		H10-170765	6/26/98	JAPAN						
MJS		H4-333004	11/29/92	JAPAN						
M72		H6-84455	3/25/94	JAPAN						
MJS	<u> </u>	Н9-257811	10/3/97	JAPAN		<u> </u>				
	<u> </u>	OTUP	D DOCUMENTS /Incl	eding Author Tit	le, Date, Pertinent Pages, El	-	<u></u>			
· · · · · · · · · · · · · · · · · · ·	T				", IBICE Trans.		Vol. E83-	C. No.		
MJS		9, September 2			•			•		
								·		
EXAMINER				- 1	ONGIDODOO		- "			
EAMVIINEK		M. Sahl		DATE C	Onsidered 7/5/05					
EXAMINER: Inconsidered. Inch	itial if citu	ation considered, whether com of this form with next com	or not citation is in confo munication to applicant	ormance with Mi		h citation if not in con	formance and no	ot		

		14356Z	Unassigned				
INFO	PRMATION DISCLOSURE CITATION	Applicant(s) Mikio Oda, et al.					
	(Use several sheets if necessary)	Filling Date	Group Art Unit				
		Herewith	Unassigned				
*EXAMINER	OTHER DOCUMENTS (Including Author, Ti	tle, Date, Pertinent Pages, Etc.)					
INITIAL	L.Y. Lin, et al., "High-Density Micromachined Po p.1425-1427, 1998	lygon Optical Crossconnects Explo	iting Network Connection-Symmetry				
.MJS	p.1425-1427, 1998	(October)					
	R. Jebens, et al. "Microactuators for Aligning Opt	ical Fibers" Sensors and Actuators	- · · · · · · · · · · · · · · · · · · ·				
MSS			(month unknown)				
		·	·				
		·	-				
			•				
EXAMINER	M. Slahl	DATE CONSIDERED 7 (5 (05					

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.